

PTO/SB/08A (10-07)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 5

**Complete if Known**

|                      |                                   |
|----------------------|-----------------------------------|
| Application Number   | 10/578,739                        |
| Filing Date          | 05-10-2006                        |
| First Named Inventor | Tiernan                           |
| Art Unit             | 2465 2461                         |
| Examiner Name        | Clinton, Jessica - Brandon Renner |

Attorney Docket Number LJN09001USU

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|---|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (# known) |                                |  |   |
| /B.R./             | 1                     | US- 10/578,739                          | 03-01-2007                     | Tiernan  |   |
|                    | 2                     | US- 11/536,894                          | 09-06-2007                     | Tian   |   |
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|                    | 15                    | US- 5,590,131                           | 12-31-1996                     | Kabatepe   |   |
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| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>2</sup> "Number" "Kind Code <sup>3</sup> (# known) |                                |  |   |                |
|                    | 1                     | SG- 2006066236   | 03-31-2009                     | Tiernan et al.                                     |   |                |
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|                    | 6                     | AU- 71164/98   | 11-11-1999                     | Eag  |   |                |

Examiner Signature

/Brandon Renner/

Date Considered

05/19/2010

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 12 of 5

**Complete if Known**

|                        |                                   |
|------------------------|-----------------------------------|
| Application Number     | 10/578,739                        |
| Filing Date            | 05-10-2006                        |
| First Named Inventor   | Tieman                            |
| Art Unit               | 2405 2461                         |
| Examiner Name          | Clinton, Jessica L Brandon Renner |
| Attorney Docket Number | LJN09001USU                       |

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|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| /B.R./             | 20                    | US- 5,963,557                            | 10-05-1999                     | Eng  |   |
|                    | 21                    | US- 5,966,163                            | 10-12-1999                     | Lin et al.   |   |
|                    | 22                    | US- 6,023,230                            | 02-08-2000                     | Dorenboach et al.                                  |   |
|                    | 23                    | US- 6,034,967                            | 03-07-2000                     | Citta et al.                                       |   |
|                    | 24                    | US- 6,038,213                            | 03-14-2000                     | Albrow et al.                                      |   |
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|                    | 28                    | US- 6,278,713 B1                         | 08-21-2001                     | Campbell et al.                                    |   |
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|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
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|                    | 12                    | HK 11111530-A   | 08-08-2008                     | Tieman et al.                                      |   |                |

Examiner Signature

/Brandon Renner/

Date Considered

05/19/2010

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |  | Application Number       | 10/578,739                        |
|  |  | Filing Date              | 06-10-2006                        |
|  |  | First Named Inventor     | Tiernan                           |
|  |  | Art Unit                 | 2465 2461                         |
|  |  | Examiner Name            | Clifton, Jessica L Brandon Renner |
|  |  | Attorney Docket Number   | LJN09001USU                       |

U.S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

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| FOREIGN PATENT DOCUMENTS |                       |  |                  |   |   |
|--------------------------|-----------------------|--|------------------|---|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document  | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear |
|                          |                       | Country Code <sup>3</sup> "Number" "Kind Code" <sup>6</sup> (if known) | MM-DD-YYYY       |   |   |
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|                          | 14                    | EP 0985275   | 03-15-2000       | Eng   |   |
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|                          | 16                    | EP 1738342A4   | 09-10-2008       | Hemmer et al.                                   |   |
|                          | 17                    | JP 2007551416-T2   | 11-01-2007       | Trotta et al.                                   |   |
|                          | 18                    | WO 01/95569 A2   | 03-26-2002       | Richardson et al.                               |   |

|                       |                  |                    |            |
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| Examiner<br>Signature | /Brandon Renner/ | Date<br>Considered | 05/19/2010 |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |       |                        |                             |
| Sheet 4  | of 15 | Application Number     | 10/578,739                  |
|  |       | Filing Date            | 05-10-2006                  |
|  |       | First Named Inventor   | Tiernan                     |
|  |       | Art Unit               | 2465 2461                   |
|  |       | Examiner Name          | Clifton, Jessica E. Brandon |
|  |       | Attorney Docket Number | LJN09001USU Ranner          |

Sheet 4 of 5

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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**U. S. PATENT DOCUMENTS**

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|--------------------|-----------------------|---|--------------------------------|--|---|---------|
|                    |                       | Country Code <sup>2</sup> "Number" "Kind Code <sup>3</sup> (if known) |                                |  |   |         |
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|                    | 20                    | WO 98/083590  | 10-24-1998                     | Campbell et al.                                    |   |         |
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|                       |                  |                    |            |
|-----------------------|------------------|--------------------|------------|
| Examiner<br>Signature | /Brandon Renner/ | Date<br>Considered | 05/19/2010 |
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Sheet 5 of 5

|  |  |                          |                                  |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |  | Application Number       | 10/578,739                       |
|  |  | Filing Date              | 05-10-2006                       |
|  |  | First Named Inventor     | Tierman                          |
|  |  | Art Unit                 | 2465-2461                        |
|  |  | Examiner Name            | Gilligan, Jessica Brandon Renner |
|  |  | Attorney Docket Number   | LJN09001USU                      |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |                |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columna, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>2</sup> |
|                          |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
| *****                    | 25                    | EP 1040045  | 10-01-2000                     | Ammer et al.                                       | *****   |                |
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| *****                    | 28                    | TW 403318 B   | 09-11-2000                     | Germann et al.                                     | *****   |                |
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|                       |                  |                    |            |
|-----------------------|------------------|--------------------|------------|
| Examiner<br>Signature | /Brandon Renner/ | Date<br>Considered | 05/19/2010 |
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PTO/SB/088 (01-08)

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|  |   | Filing Date              | 05-10-2006                        |
|  |   | First Named Inventor     | Tiernan                           |
|  |   | Art Unit                 | 2461                              |
|  |   | Examiner Name            | Clinton, Jessica + Brandon Renner |
| Sheet  | 1 | of                       | 1                                 |
|  |   | Attorney Docket Number   | LJN09001USU                       |

| <b>NON PATENT LITERATURE DOCUMENTS</b> |                       |  |                |
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| /B.R./                                 | 1                     | DAIL, JAMES E ET AL.: "Adaptive Digital Access Protocol: A MAC Protocol for Multiservice Broadband Access Networks" Communications Magazine, IEEE, IEEE Service Center, Piscataway, US, vol. 34, issue 3, March 1996, pages 104-112, ISSN: 0163-6804                               |                |
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| Examiner Signature | /Brandon Renner/ | Date Considered | 05/19/2010 |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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